

Title (en)

WHEEL DRIVE SYSTEM, IN PARTICULAR FOR AN AIRCRAFT

Title (de)

RADANTRIEBSSYSTEM, INSBESONDERE FÜR EIN FLUGZEUG

Title (fr)

SYSTÈME DE MOTORISATION DE ROUE, NOTAMMENT D'UN AÉRONEF

Publication

EP 3160842 B1 20180404 (FR)

Application

EP 15732264 A 20150630

Priority

- FR 1456209 A 20140630
- EP 2015064782 W 20150630

Abstract (en)

[origin: WO2016001192A1] A wheel drive system, in particular for the taxiing of an aircraft comprising an engine block (22) carried by a non-suspended part (14b) of a gear strut (14) of the aircraft and comprising an electric motor (26) and reduction means, and a clutch device (24) linking the output shaft (26a) of the electric engine (26) to the wheel (12) via the reduction means. The clutch device (24) comprises a dog mechanism (32, 34) comprising a driving part (32) rigidly connected to the engine block (22) and a receiving part (34) rigidly connected to the tyre (12a) of the wheel (12), and a system for the translational movement, along the axis of the axle crosspiece (20) of the gear strut (14), of the driving part (32) into an engaged position in which the driving part (32) is engaged with the receiving part (34) and a disengaged position in which the driving part (32) is separated from the receiving part (34).

IPC 8 full level

B64C 25/36 (2006.01)

CPC (source: CN EP US)

B64C 25/34 (2013.01 - US); **B64C 25/40** (2013.01 - US); **B64C 25/405** (2013.01 - CN EP US); **B64C 25/58** (2013.01 - US); **B64C 25/64** (2013.01 - US); **Y02T 50/80** (2013.01 - CN EP US)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

FR 3022859 A1 20160101; **FR 3022859 B1 20180105**; CN 106660631 A 20170510; CN 106660631 B 20190419; EP 3160842 A1 20170503; EP 3160842 B1 20180404; US 10442528 B2 20191015; US 2017129594 A1 20170511; WO 2016001192 A1 20160107

DOCDB simple family (application)

FR 1456209 A 20140630; CN 201580035360 A 20150630; EP 15732264 A 20150630; EP 2015064782 W 20150630; US 201515318137 A 20150630